

ELECTROSTATIC COATING SPRAY GUN

ABSTRACT

The invention relates to a spray gun suitable for electrostatic coating, using a coating material whose electric resistance is relatively low. A coating material nozzle (24) is attached to the front middle region of a barrel (2) having a forwardly projecting cylindrical section (36) on the front outer peripheral edge, and an air cap (40) which covers their front surfaces is installed. A pattern air flow channel (45) is formed between the air cap, coating material nozzle outer peripheral surface and the cylindrical section inner peripheral surface, and an annular electrode (13) is attached to the inside of the flow channel. The air cap is centrally provided with an atomization air spout hole (32), and a coating material delivery port (30) at the front end of the coating material nozzle is inserted therein. A pin electrode (31) is projected forward through the coating material delivery port. A pair of square section (39) are projected forward from the right and left ends of the air cap, each square section being formed with a pattern air spout hole (38). The pin electrode is grounded and a high dc voltage is applied to the annular electrode.